

ABSTRACT

The present invention relates generally to modeling of aeration systems. More particularly, the present invention relates to an automated modeling system that acquires data from entries made into a dialog box. The automated modeling system then generates a full CAD drawing denoting the precise locations of aeration system components in both plan and section view, such as diffusers, support stands, expansion joints, manifold pipes, header pipes, etc., and furthermore generates a materials take-off table.